Unitronics 4G Routers
LTE & WiFi Industrial Cellular Routers

New 4G/LTE & WiFi cellular Routers support embedded SMS functionality, RS232, RS485, GNSS (GPS), Micro-SD, USB interface, and on-board Digital & Analog I/Os.

Hardware Configuration Models:

**UCR-ST-B5**
4G LTE & WiFi cellular router with 2 Ethernet ports and Digital I/O.

**UCR-ST-B8**
Dual-SIM 4G LTE & WiFi cellular router with 4 Ethernet ports. Digital & Analog I/Os, RS232, RS485, GNSS (GPS), microSD & USB interface.

Unitronics’ new UCR Routers integration with UniStream™ series allow easy SMS control - Sending and receiving SMS messages via Ethernet.

Accessories:
**UCR-OP-B5-DIN - UCR B5/B8 DIN Rail Kit**

- Secure
- Easy to Use
- Rich Features
- High Performance
- Remote Monitoring & Control
- Suitable for Multiple Sectors

- Flexible
- Embedded Firewall
- Multiple VPN Options
- Compact & Low Weight
- Immediate Product Supply
- Supporting Various Encryption Protocols
**UCR-ST-B5** 4G LTE & WiFi cellular router with 2 Ethernet ports and I/O

**Hardware**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile</td>
<td>4G (LTE) Cat 4 DL up to 150 Mbps, UL up to 50 Mbps; DC HSPA++; UMTS; TD SCDMA; EDGE; GPRS</td>
</tr>
<tr>
<td>CPU</td>
<td>Atheros Hornet, MIPS 24 Kc, 400 MHz</td>
</tr>
<tr>
<td>Memory</td>
<td>16 MB Flash, 64 MB DDR 2 RAM</td>
</tr>
<tr>
<td>Ethernet</td>
<td>2x 10 100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN</td>
</tr>
<tr>
<td>Power Supply</td>
<td>9 - 30 VDC, 4 pin DC connector</td>
</tr>
<tr>
<td>PoE (passive)</td>
<td>Passive PoE over spare pairs (available from HW revision 0007 and batch number 0010). Possibility to power up through LAN port, not compatible with IEEE 802.3 af and 802.3 at</td>
</tr>
<tr>
<td>Inputs/Outputs</td>
<td>1x Digital Input, 1 x Digital Open Collector Output on power connector</td>
</tr>
<tr>
<td>Connectors</td>
<td>1x 4 pin DC, 2 x Ethernet, 2 x Mobile SMA, 1 x WiFi RP SMA</td>
</tr>
<tr>
<td>SIM</td>
<td>1x external SIM holder</td>
</tr>
<tr>
<td>Status LEDs</td>
<td>2x connection type status, 5 x connection strength, 2 x LAN status, 1 x Power</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40 C to 75 C</td>
</tr>
<tr>
<td>Housing</td>
<td>Aluminum housing, plastic panels</td>
</tr>
<tr>
<td>Dimensions</td>
<td>83mm x 74 mm x 25 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>125 g</td>
</tr>
</tbody>
</table>

**Unitronics Software Features**

- Dynamic DNS
- Multiple VPN Protocols
- Wireless Access Point and Wireless Client
- Firewall
- I/O Control
- MQTT Broker
- Modbus TCP and Modbus RTU
- NTP Server

For more information, visit [www.unitronics.com](http://www.unitronics.com)
UCR-ST-B8 Dual-SIM 4G LTE & WiFi cellular router with 4 Ethernet ports

**Hardware**

**Mobile**
4G (LTE) Cat 4 DL up to 150 Mbps, UL up to 50 Mbps; DC HSPA+; UMTS; TD SCDMA; EDGE; GPRS

**CPU**
Atheros Wasp, MIPS 74 Kc, 550 MHz

**Memory**
16MB Flash, 128 MB DDR 2 RAM

**Ethernet**
4x 10 100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN ports

**Power Supply**
9 - 30 VDC, 4 pin DC connector

**PoE (passive)**
Passive PoE over spare pairs (available from HW revision 0007 and batch number 0010).
Possibility to power up through LAN port, not compatible with IEEE 802.3 af and 802.3 at

**Connectors**
3x Inputs (Digital, Digital galvanically isolated, Analog) + 1 x Digital Input on power connector

**Memory Cards**
1x 4 pin DC, 4 x Ethernet, 2 x Mobile SMA, 2 x WiFi RP SMA, 1 x GPS SMA, 1 x RS 232, 1 x 6 pin

**SIM**
2x external SIM holders

**Status LEDs**
1x bi color connection status, 5 x connection strength, 4 x LAN status, 1 x Power

**Operating Temperature**
-40°C to 75°C

**Housing**
Aluminum housing, plastic panels

**Dimensions**
100mm x 110 mm x 50 mm

**Weight**
287 g

**Unitronics Software Features**

- Dynamic DNS
- Multiple VPN Protocols
- Wireless Access Point and Wireless Client
- GPS Geo-fencing
- Firewall
- I/O Control
- MQTT Broker
- Modbus TCP and Modbus RTU
- NTP Server

For more information, visit [www.unitronics.com](http://www.unitronics.com)